

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

•					
APPLICATION NO	D. I	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
. 10/724,361	,	12/01/2003	Delphine Duclos	58779.000037	8077
21967	7590	09/07/2005		EXAMINER	
		IAMS LLP	LANGEL, WAYNE A		
INTELLE	CTUAL PR	OPERTY DEPART!	MENT		
1900 K \$7	REET, N.V	V.	ART UNIT	PAPER NUMBER	
SUITE 12	00		1754		
WASHIN	GTON, DC	20006-1109	DATE MAILED: 09/07/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

1.0	i /
dress	
0) DAYS,	
ommunication.	
e merits is	

1) Responsive to communication(s) filed on			Application No.	Applicant(s)
# The MAILING DATE of this communication appears on the cover sheet with the correspondence address—  **reriod for Reply**  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  **SHORT MAILING DATE OF THIS COMMUNICATION.**  **A SHORT MAILING DATE OF THIS COMMUNICATION.**  **A			10/724,361	DUCLOS ET AL.
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address = revied for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) OR THIRTY (30) DAYS, WHIGHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of term imply te availation under the provisions of 37 CRT 11360, in no event, however, may a reply be timely filled.  If NO period for reply is specified above, the maintens statutory priority all copies SK (5) MONTHS from the malling date of this communication.  If NO period for reply is specified above, the maintens statutory priority will capits SK (5) MONTHS from the malling date of this communication. Profit Sk (5) to 15 this continual plant in the magnitude.  If NO period for reply is specified above, the maintens statutory priority will be store to remain the malling date of this communication. Profit Sk (5) to 15 this continual plant in the malling date of this communication, even if timely filled, may reduce any status.  It is action is FINAL.		Office Action Summary	Examiner	Art Unit
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.			Wayne Langel	1754
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Estandians of the may be available under the provisions of 37 FR1 13/69, in no event, however, may a rupty be timely filled after (SK (6) MONTHS from the mailing date of this communication, after the mailing date of this communication and the provision of the pr			ppears on the cover sheet with the	correspondence address
Responsive to communication(s) filed on	WHIC - Exter after - If NC - Failu Any	CHEVER IS LONGER, FROM THE MAILING Insions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statusely reply received by the Office later than three months after the mailing	DATE OF THIS COMMUNICATION  .136(a). In no event, however, may a reply be tind will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
2a) ☐ This action is FINAL.  2b) ☑ This action is non-final.  3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  blisposition of Claims  4) ☑ Claim(s) 1-6 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) ☐ Claim(s) is/are allowed.  6) ☑ Claim(s) 1-6 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and/or election requirement.  pplication Papers  9) ☐ The specification is objected to by the Examiner.  10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1 ☐ Certified copies of the priority documents have been received.  2 ☐ Certified copies of the priority documents have been received in Application No  3 ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.    Value of Informal Patent Application (PTO-152)	Status			
3	1)[	Responsive to communication(s) filed on		
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.	2a) <u></u>	This action is <b>FINAL</b> . 2b)⊠ Thi	is action is non-final.	
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.	3)[	Since this application is in condition for allowed	ance except for formal matters, pro	osecution as to the merits is
Al) Claim(s) 1-6 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 1-6 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  pplication Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.55(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.				
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  ***pplication Papers**  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  **riority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.    Notice of References Cited (PTO-982)	Dispositi	on of Claims		
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  ***pplication Papers**  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  **riority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.    Notice of References Cited (PTO-982)	4)⊠	Claim(s) 1-6 is/are pending in the application.		
Claim(s) is/are allowed.	•			
Claim(s) 1-6 is/are rejected.  7)		• • • • • • • • • • • • • • • • • • • •		
Claim(s) is/are objected to.				
Solution   Claim(s) are subject to restriction and/or election requirement.   Spplication   Papers				
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  ttachment(s)  Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  Paper No(s)/Mail Date  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  Other:	8)	Claim(s) are subject to restriction and/	or election requirement.	
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  ttachment(s)  Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  Paper No(s)/Mail Date  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  Other:	Applicati	on Papers		
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  ttachment(s)  Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.	_	•	or.	
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  ttachment(s)  Notice of References Cited (PTO-892)  Notice of Brafsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Patent and Trademark Office	· <del>-</del>			Evaminer
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  ttachment(s)  Notice of References Cited (PTO-892)  Notice of Braftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date.  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Patent and Trademark Office	. • , 🗀			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  **Itachment(s)  Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Patent and Trademark Office			- · ·	
riority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.    Interview Summary (PTO-413) Paper No(s)/Mail Date.   Paper No(s)/Mail Date.   Notice of Draftsperson's Patent Drawing Review (PTO-948) Solution of Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Solution Other:   Patent and Trademark Office	11)			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.    Automatical Stage application (PTO-892)			,	,
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  * See the attached detailed Office action for a list of the certified copies not received.  * Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Patent and Trademark Office		<u>-</u>	n priority under 35 U.S.C. & 119(a	\-(d\ or (f)
1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  * See the attached detailed Office action for a list of the certified copies not received.  * Interview Summary (PTO-413) Paper No(s)/Mail Date    Notice of Draftsperson's Patent Drawing Review (PTO-948)   Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)   Paper No(s)/Mail Date   Patent and Trademark Office			in priority arraor of ole. o. g. 170(a	, (a) or (i).
2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  **  **  **  **  **  **  **  **  **	/.		nts have been received	
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  **  **  **  **  **  **  **  **  **				ion No.
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  * See the attached detailed Office action for a list of the certified copies not received.  * See the attached detailed Office action for a list of the certified copies not received.  * See the attached detailed Office action for a list of the certified copies not received.  * Interview Summary (PTO-413)  Paper No(s)/Mail Date.  Patent and Trademark Office  * Other:  Patent and Trademark Office				
* See the attached detailed Office action for a list of the certified copies not received.  **ttachment(s)    Notice of References Cited (PTO-892)		•		
ttachment(s)  Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  Patent and Trademark Office  Horizontal Patent Application (PTO-152) Other:	* S	•	, , , ,	ed.
Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  Patent and Trademark Office  4) Interview Summary (PTO-413) Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152) 6) Other:			,	
Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  Patent and Trademark Office  4) Interview Summary (PTO-413) Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152) 6) Other:				
Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Patent and Trademark Office  Paper No(s)/Mail Date  Other:	Attachmen	t(s)		
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  Statement(s) (PTO-1449 or PTO/SB/08) Other:				
	3) 🔲 Inform	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08	5) Notice of Informal F	
			Action Summary	Part of Paper No./Mail Date 0

Application/Control Number: 10/724,361

Art Unit: 1754

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Smojver. Smojver discloses an ammonia oxidation process in which the catalyst contains zirconium oxide and cerium oxide. (See col. 2, line 60 to col. 3, line14.) The cerium oxide and the zirconium oxide would inherently form a solid solution at the calcinations temperatures of up to 2000 F disclosed at col. 3, lines 4-7.) The ammonia oxidation process disclosed by Smojver would inherenly form at least some nitrous oxide. In any event, it would be obvious to carry out the process of Smojver so as to produce nitrous oxide, since it is well-known that the Ostwald process forms nitrous oxide. (See col. 1, lines 14-28 of Koch.)

Claims 2, 3 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smojver. Smojver is relied upon as discussed hereinbefore. It would be prima facie obvious to employ a catalyst specific surface of greater than 25 m<sup>7</sup>/g in the process of Smojver in order to maximize the contact between the catalyst and reactants.

Application/Control Number: 10/724,361

Art Unit: 1754

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Smojver as applied to claim 1 above, and further in view of Koch. It would be further obvious from Koch to place the catalyst of Smojver under platinum gauzes in a reactor for the oxidation of ammonia, since Koch discloses in the Abstract the nitrous oxide from the Ostwald process should be passed through a bed of zirconium oxide.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Terms such as "high HSV" and "preferably" render the scope of the claims vague and indefinite. In claim 5, there is no antecedent basis for "the fresh catalyst".. In claim 6, there is no antecedent basis for "the platinum gauzes of the reactor for the oxidation of ammonia". Claim 6 is also indefinite as to whether it requires the decomposition of nitrous oxide to nitrogen and oxygen, since it recites "a process for the decomposition to N<sub>2</sub> and O<sub>2</sub> of N<sub>2</sub>O" but does not recite any positive process steps for the decomposition of nitrous oxide.

Claims 4 and 5 are rejected under 35 USC 112 paragragh 5 as constituting multiple dependent claims which fail to depend from the parent claims in the alternative only. Claim 5 is further rejected as constituting a multiple dependent claim which depends from another multiple dependent claim.

Oshimura et al is made of record for disclosing at col. 6, lines 59-61 that metal oxides form a solid solution with ruthenium at high temperatures.

The other references are made of record for disclosing methods for the decomposition of nitrogen oxides.

This application apparently discloses allowable subject matter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Langel whose telephone number is 571-272-1353. The examiner can normally be reached on Mondays to Fridays from 8 to 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman, can be reached on 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Wayne Langel Primary Examiner

Art Unit 1754